

## MATERIAL SAFETY DATA SHEET



# Osmocote® Tree and Shrub Planting Tablets

26345

20-10-5

Scotts-Sierra Horticultural Products Co.  
The Scotts Company  
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Marysville, Ohio 43041

In Case of Emergency call:  
1-937-644-0011 (USA)  
For non-Emergency calls:  
1-937-644-0011 (USA)

### I. MATERIAL IDENTIFICATION

Product Name: Osmocote® Tree & Shrub Planting Tablets  
Analysis: 20-10-5  
Stock Number: 26345

#### NFPA Hazard Ratings

Health	2
Flammability	0
Reactivity	0

0 Least
1 Slight
2 Moderate
3 High
4 Severe

### II. HAZARDOUS INGREDIENTS

<u>MATERIAL</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Calcium Phosphates	1306-06-5	None	None
Potassium Sulfate	7778-80-5	None	None
Calcium Sulfate	7778-18-9	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Urea	57-13-6	None	None
Ferrous Sulfate	7720-78-7	1.0 mg(Fe)/m <sup>3</sup> (total dust)	1.0 mg(Fe)/m <sup>3</sup> (respirable)

This product is not classified as a hazardous material for transportation purposes.

All exposure limits are for airborne 8-hour time-weighted averages and apply only to occupational exposures. Airborne exposures are expected to be minimal if product is used as intended and maintained in tablet form.

The ACGIH Threshold Limit Values for nuisance (inert) dusts containing < 1% crystalline silica and no asbestos are: 10 mg/m<sup>3</sup> total, 5 mg/m<sup>3</sup> respirable.

### III. FIRST AID PROCEDURES

Eyes: If in eyes, flush with water for 15 minutes holding eyelids open. Get medical attention if irritation persists.  
Ingestion: Never give anything by mouth to an unconscious or convulsing person. If person is conscious, rinse mouth with water. Give water or milk to dilute material. Induce vomiting. Call physician.  
Skin: Wash with plenty of soap and water.  
Inhalation: Remove to fresh air. Treat symptomatically.

**IV. HEALTH HAZARD INFORMATION**

**Summary of Risks:** Direct contact with fertilizer may irritate eyes and skin. Inhalation of dust may irritate nose, throat, and lungs, although tablet form of product makes this unlikely. Ingestion of large amounts of product can cause severe gastrointestinal irritation. A Russian study of 67 workers in an environment with high concentrations of urea found a high incidence of protein metabolism disturbances and chronic weight loss. Exposure levels were not reported. Tumorigenic, mutagenic, and reproductive effects of urea in laboratory animals are reported in the NIOSH Registry of Toxic Effects.

Medical conditions which may be aggravated by contact:	Skin abrasions and sores.	<u>Ingredients Listed as a Carcinogen</u>	
Target Organs:	Skin, eyes, respiratory tract, gastrointestinal tract.	IARC Monographs:	No
Primary Entry Route(s):	Ingestion, inhalation.	NTP:	No
Chronic Effect(s):	Not known.	OSHA:	No

**V. PERSONAL PROTECTION AND PRECAUTIONS**

**Goggles:** None required for routine use as fertilizer. High airborne dust levels or mists of product dissolved in liquid may be irritating; use chemical goggles.

**Gloves:** None required for normal use. If prolonged or repeated use irritates skin, use neoprene or PVC gloves.

**Respirator:** If airborne dust levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection (e.g. NIOSH/MSHA approved respirator for dusts, mists, and fumes) to reduce exposures to acceptable levels.

Workplace Considerations

**Ventilation:** None required for routine use.

**Safety Stations:** Running water should be available in case material gets in eyes.

**Other:** Ingredients with occupational exposure limits comprise a small percentage of the total product. For this reason, it is not expected that these limits will be exceeded unless the nuisance dust standards are exceeded.

**VI. PHYSICAL HAZARD INFORMATION**

Flammable Limits (% in Air):	Not Applicable	Color:	Green
Extinguishing Media:	Material is non-flammable. Use extinguishing media suitable for the surrounding fire.	Odor:	None
Auto Ignition Temperature:	Not Applicable	Melting Point:	Not Known
Flash Point (method):	Not Flammable	Boiling Point:	Not Known
Limits:	Not Applicable	Solubility in H <sub>2</sub> O	75
		Specific Gravity:	(H <sub>2</sub> O = 1) 1.5
		Vapor Pressure:	Not Known
		Evaporation rate:	Not Applicable
		Vapor Density:	Not Applicable
		% Volatile:	Not Applicable
<u>Reactivity</u>			
Stability:	Stable		
Hazardous Polymerization:	Will Not Occur		
Conditions to Avoid:	Extreme heat. Active metals such as aluminum and magnesium.		
Hazardous Decomposition Products:	In a fire, may produce oxides of potassium, sulfur, and carbon, as well as ammonia.		
Chemical Incompatibilities:	Active metals such as aluminum and magnesium.		
Unusual Fire, Explosion and Reactivity Hazards:	Can emit toxic oxides of nitrogen, phosphates, and sulfur when heated to decomposition. High airborne dust concentrations have the potential for explosion.		
<u>In Case of Fire:</u>	Evacuate area. Use water spray to cool fire exposed containers and surrounding combustibles. Wear self-contained breathing apparatus to fight large fires.		

**VII. REGULATORY INFORMATION**

DOT Classification: Not Hazardous  
UN Register: None  
Engineering Controls: None Required

**VIII. STORAGE AND SPECIAL PRECAUTIONS**Precautions to be taken in handling and storage

Store in a cool, dry area away from incompatible materials and heat sources. Store away from feed and foodstuffs, as well as household cleaning products. Wash hands with soap and water after handling product. Keep out of reach of children.

In case of spills

If material is uncontaminated, collect and reuse as recommended for product. If contaminated, put in appropriate container and dispose. Keep spills away from drinking water supplies. After cleaning up spill, flush area with water.

Waste Management/Disposal

Apply as fertilizer to field. If product is contaminated, dispose of in an approved landfill disposal facility, in accordance with applicable federal, state, and local regulations.

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